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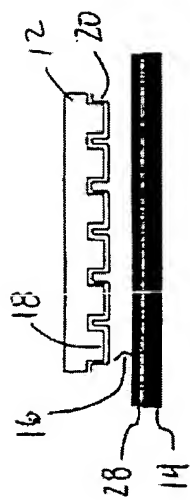


Fig. 1A



Fig. 1B

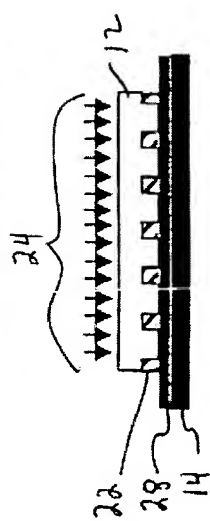


Fig. 1C

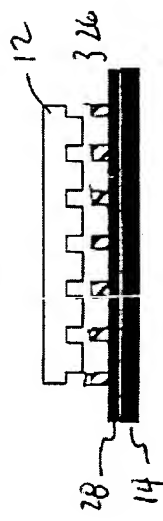


Fig. 1D



Fig. 1E

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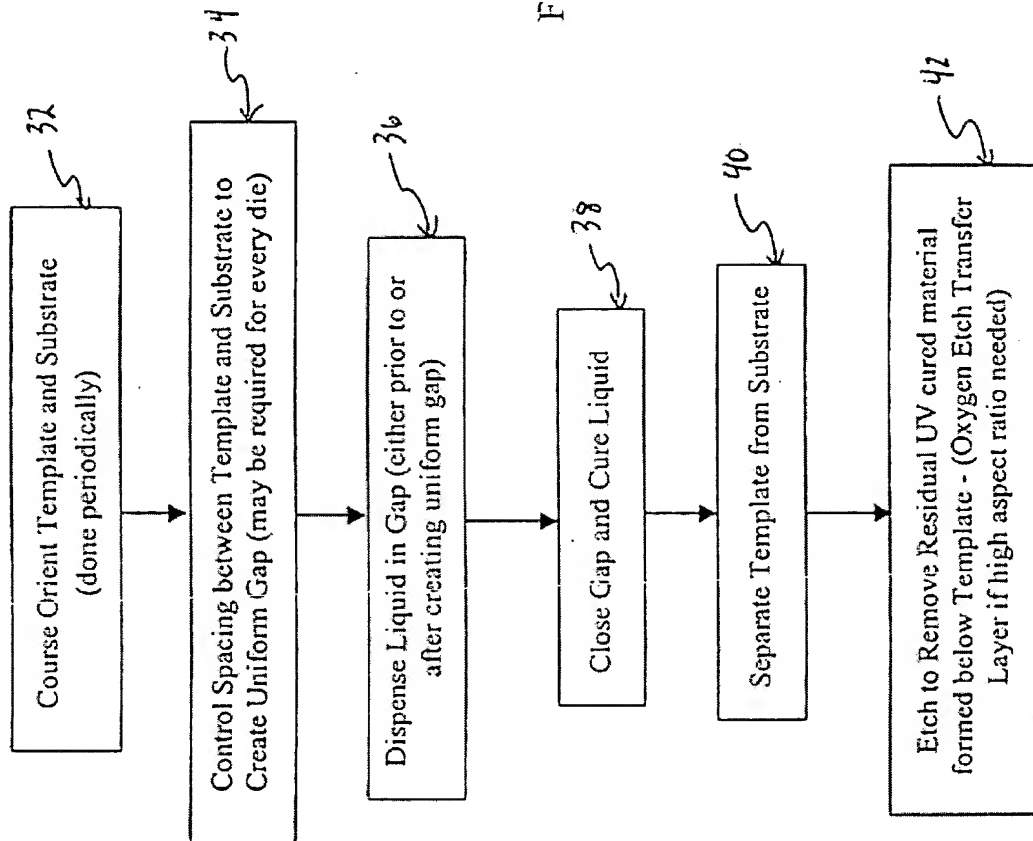


Fig. 2

30

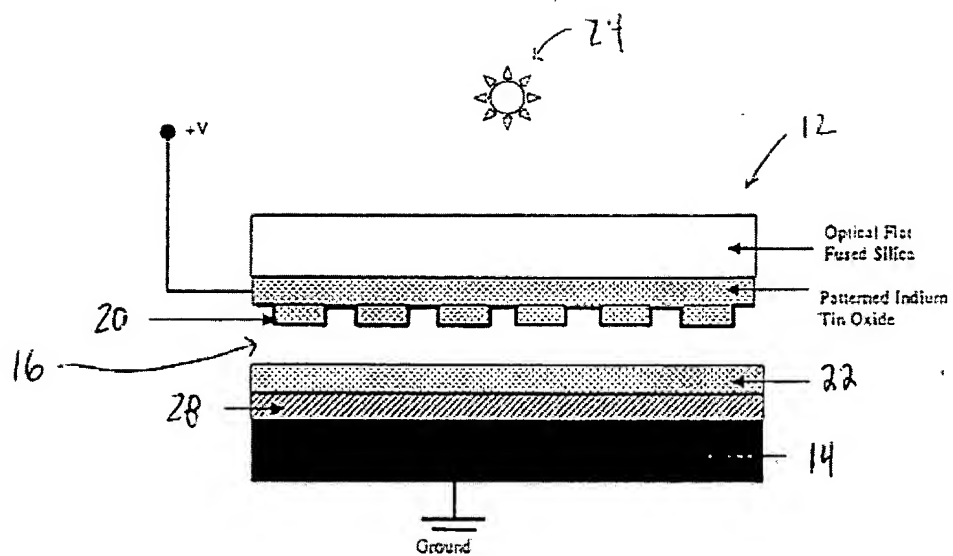
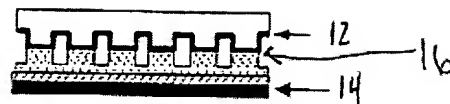
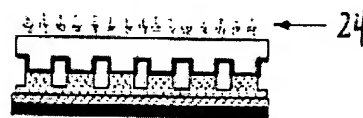


FIG. 3

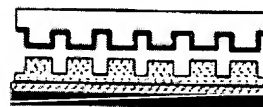
- Apply electric field and maintain uniform gap to induce the liquid to adhere to the template



- UV cure the liquid



- Separate the template from the substrate.

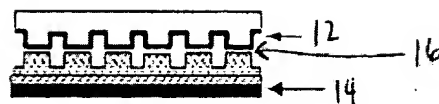


- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure

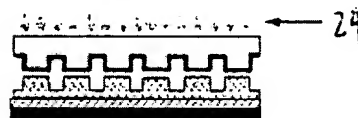


FIG. 4

- Apply electric field and maintain uniform gap to induce the liquid to be attracted to the template without making contact



- UV cure the liquid



- Etch to break-through UV cured liquid, followed by RIE etch transfer into transfer layer to obtain high-aspect ratio structure



FIG. 5.

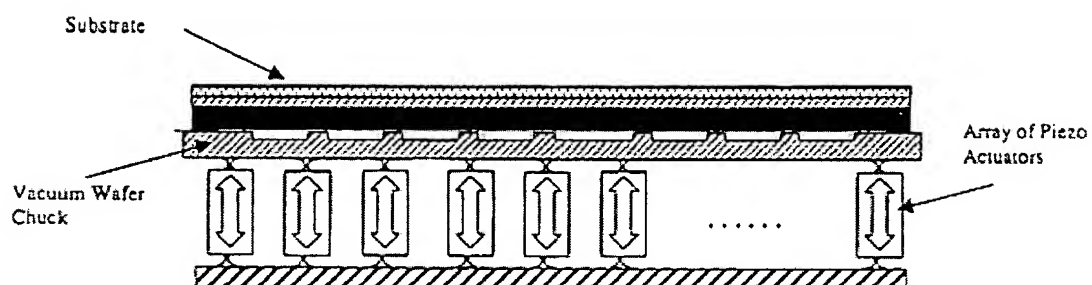


FIG. 6

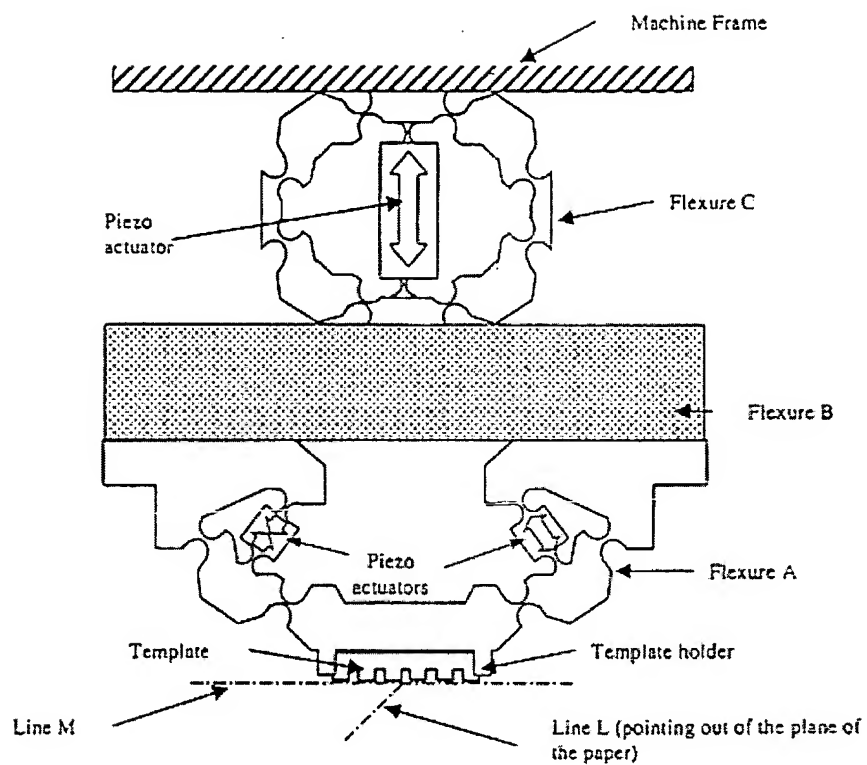


FIG. 7